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(71) Applicant: KISSEI PHARMACEUT CO LTD

(72) Inventor: IYOBE AKIRA

HIRATA KAZUMITSU

YAZAKI TOSHIKAZU

FUJIKURA HIDENORI

KASAI KIYOSHI

SATO FUMIYASU

(54) 5-AMINOALKYL-4-AMINOMETHYL-3-HYDROXYPYRIDINE DERIVATIVE AND MAILLARD REACTION INHIBITOR CONTAINING THE SAME

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(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new compound having a Maillard reactioninhibiting activity and useful as a medicine for treating diseases related to Maillard reaction, etc., and as an additive for foods, etc.

SOLUTION: A compound of formula I (A is a lower alkylene; R¹, R², R³ are each H, a lower alkyl; R⁴ is an aryl, a hydroxyaryl, etc.; R⁵ is H, a lower alkyl), e.g. N-phthaloylpyridoxamine. The compound of formula I is produced by reacting a halide of formula II (R⁶ is an amino having a protecting group; R⁷ is an OH-protecting group) with an amine compound of formula III and subsequently removing the protecting group from the reaction product.

